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3743

#3
Preliminary A

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: B. Ryland Wiggs
Serial No.: 10/073,513
Filed: February 11, 2002
For: Closed Loop Direct Expansion Heating And Cooling System
With Auxiliary Refrigerant Pump
Group No. 3743
Attorney's Docket No. N8232
Customer No. 23456

PRELIMINARY AMENDMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

RECEIVED
JUL 12 2002
TECHNOLOGY CENTER 3106

Please enter the following amendments prior to examination of the above-referenced application.

In the Claims:

Please add new claims 14 through 20 as follows:

- A¹.
14. The system of claim 1 wherein the in-ground heat exchanger is ✓ 103 positioned in a situated in a deep well.
 15. The system of claim 14 wherein the deep well is a dry well. ✓
 16. The system of claim 14 wherein the deep well is a wet well.
 17. The system of claim 14 wherein the deep well is partially dry and Further more partially wet.
 18. A direct expansion, refrigerant-based, heat exchange system comprising a compressor, an interior heat exchanger, an in-water heat exchanger,